

20020612.qrp v02_n584.qrl.20020612

Date: Wed, 12 Jun 2002 19:03:07 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2584

QRP-L Digest 2584

Topics covered in this issue include:

- 1) [127997] Not QRP, well maybe.....
by Fred Lesnick <flesnick@tbaytel.net>
- 2) [127998] nimh
by "carl seyersdahl" <carlseye@tampabay.rr.com>
- 3) [127999] Ray-0-Vac 1 Hour Charger
by "N3BJ" <N3BJ@hotmail.com>
- 4) [128000] Re: Ray-0-Vac 1 Hour Charger
by Ed Tanton <n4xy@earthlink.net>
- 5) [128001] Re: Ray-0-Vac 1 Hour Charger
by "Mike Yetsko" <myetsko@insydesw.com>
- 6) [128002] Re: [FT-100D QRP ??]
by "P.Ermisch" <ermisch@usa.net>
- 7) [128003] HR CD sets from ARRL
by Chuck Adams <k7qo@earthlink.net>
- 8) [128004] Update on NiMH cells at Sam's
by Ray Sills <raysills@1stconnect.com>
- 9) [128005] Michigan Hamfest Weekend
by "John J. McDonough" <wb8rcr@arrl.net>
- 10) [128006] QRP At Indy Hamfest
by "brian" <brian@iquest.net>
- 11) [128007] NETXQRP Club Meeting 15 June '02
by Chuck Carpenter <w5usj@9plus.net>
- 12) [128008] OT: RFI Resolved (almost)
by ARDUJENSKI@aol.com
- 13) [128009] New Section List
by "brian" <brian@iquest.net>
- 14) [128010] Re: New Section List
by Hank Kohl K8DD <k8dd@arrl.net>
- 15) [128011] Re: QRP At Hamfests
by "Dave Benson" <nn1g@earthlink.net>
- 16) [128012] Re: New Section List
by Bob Nielsen <nielsen@oz.net>
- 17) [128013] Moxon rectangle generator
by Dan Maguire <bethdan@pacbell.net>
- 18) [128014] LMX2305 adaptor PCB
by "Leon Heller" <leon_heller@hotmail.com>
- 19) [128015] QRP events at the Hamboree this weekend

- by "John Burnley" <JBurnley@ifmc.org>
- 20) [128016] Re: Moxon rectangle generator
by Alex <kr1st@amsat.org>
- 21) [128017] confessions of a hacker
by David Hinerman <WD8CIV@worldnet.att.net>
- 22) [128018] Re: Moxon rectangle generator
by "Randall M. Payne" <payner1@strato.net>
- 23) [128019] BLT
by "johngabbard" <johngabbard@usintouch.com>
- 24) [128020] Re: LMX2305 adaptor PCB
by "Pederson, Glenn" <gpeder@elnet.com>
- 25) [128021] Heathkit IT-28 manual
by Steve Smith <sigcom@juno.com>
- 26) [128022] Ohio Covered Bridge event
by k8cz@att.net
- 27) [128023] BLT...MOD
by "johngabbard" <johngabbard@usintouch.com>
- 28) [128024] Newark sale LeadAcid Battery
by emtech@steadynet.com
- 29) [128025] Re: Heathkit IT-28 manual
by Steve Smith <sigcom@juno.com>
- 30) [128026] Miniature 'PC' platform suggestions...thanks and whaddaya think
about this?
by "Bill, N4QA" <n4qa@hotmail.com>
- 31) [128027] Re: Miniature 'PC' platform suggestions...thanks and whaddaya think
about this?
by "Mark J. Dulcey" <mark@buttery.org>
- 32) [128028] Neophyte question
by Pete Burbank <plburbank@kih.net>
- 33) [128029] OT: Palm Pilot Professional question
by Ron KU7Y <mswmod@bigplanet.com>

Date: Tue, 11 Jun 2002 20:04:18 -0400
From: Fred Lesnick <flesnick@tbaytel.net>
To: QRPL <qrp-1@Lehigh.EDU>, QRP Canada <qrp-canada@neale.gpfn.sk.ca>
Subject: [127997] Not QRP, well maybe.....
Message-ID: <3D069002.861B9BB4@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang:

I have in my hands a pretty neat little item....

It is a radiosonde Transmitter

It is marked with the following markings:

Signal Corps U.S Army
Radiosonde Transmitter T304/AMT-4A
Ser. No. 1818 Order No. 25640-Phila-53
Friez Instrument Division
Bendix Aviation Corporation

The antenna looks like it is about 1.5 inches long, and the ground plane cap is about the same....

This transmitter is cased in a plastic waterproof case.....

Has 5 wires coming from it.....

I would guess that the transmitter is in the 1650Mhz range ????

Anyone have ideas, or did anyone ever use one of these in ballons, be it weather or other?

Fred
VE3FAL

Date: Tue, 11 Jun 2002 20:07:50 -0400
From: "carl seyersdahl" <carlseye@tampabay.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [127998] nimh
Message-ID: <006a01c211a5\$3103bdc0\$d2af2341@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

What is the voltage of a fully charged NI-MH battery???
carl / kz5ca

Date: Tue, 11 Jun 2002 20:05:55 -0400
From: "N3BJ" <N3BJ@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Cc: <elecrafft@qth.net>
Subject: [127999] Ray-0-Vac 1 Hour Charger
Message-ID: <0E31Sz9qGFTS0aWrz4e00011f77@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Don't remember seeing mention of the Ray-0-Vac 1 hour charger sold by Wal Mart and others. \$29.97 at Wal Mart, not cheap, but includes 2 1600 mah AAs and does a quick job on 4 AA, 4 AAA or 1 9V cells. In some cases it also comes with a free car adapter. Input is 12VDC from a wall wart, but you could run it off a solar panel, I'm sure. Features independent measuring and charging of all 4 cells. The AAs do get HOT at the end of the cycle. Tried it with some 1850 mah Coslight AAs I got at Dayton and has enough capacity to do those in about 70 minutes.....

Great for the K1. Charge 'em in the car on the way !

Alan, N3BJ
Bent Mountain, VA

Date: Tue, 11 Jun 2002 21:07:14 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: N3BJ@hotmail.com,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [128000] Re: Ray-0-Vac 1 Hour Charger
Message-ID: <5.1.1.6.2.20020611210517.00ad2028@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Just keep in mind guys that FAST CHARGING is not conducive to long battery life. Even the intelligent chargers. I'd much rather have it take a little longer, be a lot cooler, and last longer.

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Tue, 11 Jun 2002 21:15:27 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <n4xy@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [128001] Re: Ray-0-Vac 1 Hour Charger
Message-ID: <003901c211ae\$a4766740\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Just keep in mind guys that FAST CHARGING is not conducive to long
battery
> life. Even the intelligent chargers. I'd much rather have it take a
little
> longer, be a lot cooler, and last longer.
>
> 73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed,

With modern intelligent chargers that are tied to the batteries
technology,
and ESPECIALLY with the new 'smart batteries', there is no detriment
of a 'fast charger' over the long slow charge. In fact, with the new
smart batteries, the ONLY recommended charge is the one single 'fast'
charge. Everything is geared to that charge method.

A lot of the misconception over fast charging is due to the compromises
made by a lot of the non-intelligent or at best limited sensing ability
with
limited intelligence in the early fast chargers. They were compromises
designed to charge NiCads as fast as possible with an design criteria
that they traded off battery lifetime for ease of charging. But with the
new battery technologies and fast charging developed specifically for
those technologies, there doesn't appear to be any trade off in battery
life. In fact, with certain technology, the fast chargers offer the
longest
life.

Mike

Date: Tue, 11 Jun 2002 20:33:52 -0600
From: "P.Ermisch" <ermisch@usa.net>
To: <qrp-1@Lehigh.EDU>
Subject: [128002] Re: [FT-100D QRP ??]
Message-ID: <20020612023352.948.qmail@uwdvg023.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

According to others on the FT100 list (try egroups.com), yes. My large M= FJ tuner isn't accurate at QRP levels but when I hook up a Daiwa or WM-2 meter I show about 2.5 or 3 watts at power level 0 (option 24, HF TX P0).

Paul KB0LUR

BOB MASON <skydive@usa.net> wrote:
> Anybody know what the power on a FT-100D can adjust down to (or does= it
> ??)
> Dumb question, I just can't seem to find it in the specs. (gotta get better
> glasses)
> =

> 72
> Bob WB8CAC
> <http://www.runswithscissors.us>
> =

Date: Wed, 12 Jun 2002 13:29:33 +0100
From: Chuck Adams <k7qo@earthlink.net>
To: qrp-1@lehigh.edu
Subject: [128003] HR CD sets from ARRL
Message-ID: <5.1.0.14.0.20020612132606.009f21d0@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

An email to epubs@arrl.org got me the answer that I needed.

If you bought one or more of the Ham Radio (HR) CD sets then you need to know that there is an update for the reader called Aview.

<http://www.arrl.org/notes/aview/>

will get you what you need. I downloaded it and will execute it after this posting but I'm pretty sure that it will fix my blank page problem as it is listed as one of the fixes in the new version of the software.

Thanks ARRL epubs division for being on the ball.

dit dit es FYI

P.S. I will be K7Q0/KL7 on a cruise from Seattle to Juneau and the surrounding area. I will not be doing radio stuff as I have seen the country and want to take it all in again..... :-)

So if I seem to be out of touch for 10 days --- I am.

Chuck Adams, K7Q0 CP-60 k7qo@earthlink.net
<http://www.qsl.net/k7qo>

Moving to Arizona? --- Bring your own water, please.

Date: Wed, 12 Jun 2002 06:25:12 -0400
From: Ray Sills <raysills@1stconnect.com>
To: QRP list <qrp-l@lehigh.edu>
Subject: [128004] Update on NiMH cells at Sam's
Message-ID: <B92C99C8.115A8%raysills@1stConnect.com>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Hi Gang:

Well, I went back again yesterday to double check and yes... it is 8 AA cells with the charger. 1700 mah. \$20. They also still had the "Atomic" wall clock for \$20.

73 de Ray
K2ULR
FN20t1

Date: Wed, 12 Jun 2002 07:00:06 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [128005] Michigan Hamfest Weekend
Message-ID: <003201c21200\$a6290000\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

The big Michigan weekend for swaps is almost upon us. If you can find an excuse to be around the middle of the mitten, stop by the Midland Swap this coming Saturday. See:

<http://www.qsl.net/w8kea/MARCSWAP.htm>

There are campsites available at very low cost so you can come in Friday, hook up, then fall out of bed right into the swap Saturday morning. There are plenty of hotels within a few blocks of the fairgrounds, too. The Midland swap is right across the street from the mall, so if the XYL is into that whole mall thing, there's something for her to do.

There will also be VE exams at the swap. We are again expecting a good turnout ... VE exams seem to be drawing an unusually large selection of candidates lately <g>

If you are into hollow state devices, the Midland club has a large number of these devices available for sale at the swap.

After the Midland swap shuts down on Saturday, there's plenty of time to head downstate to the Monroe swap on Sunday. What a great Father's Day present - 2 hamfests in one weekend.

So let the XYL know you'd like to visit Michigan this weekend, and come on

out.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Wed, 12 Jun 2002 08:40:39 -0400
From: "brian" <brian@iquest.net>
To: "QRP-L" <qrp-l@lehigh.edu>, "pigs" <fpqrp-l@mpna.com>
Cc: "Rick Reneau" <rreneau@iquest.net>
Subject: [128006] QRP At Indy Hamfest
Message-ID: <002801c2120e\$646ad400\$3d05080a@BM17711>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys,

I have written the hamfest powers that be, a couple of times in the last week or so, regarding a QRP Forum. Unfortunately, I have had no response. The website shows they do not have the forums lined up as of yet, I was hoping at this late date they'd be willing to let me do a QRP show and tell session.

I think about 7 or 8 of you sent me an email stating you'd be there or could be there to assist if we get our way. Thanks but unless I hear something by end of week, I guess we'll just go another year without QRP at the Indy Hamfest (They renamed it to the Indianapolis Communications and Technology Expo).

See <http://www.indyhamfest.com>

As a new VE for ARRL and WCARS, I will just plan on assisting with the VE test session from 9am to 11am. The show ends at 3PM so unless we get a noon or 1pm slot for the QRP forum, I'll have to take a pass.

73 de KB9BVN

Date: Wed, 12 Jun 2002 07:49:35 -0500
From: Chuck Carpenter <w5usj@9plus.net>
To: qrp-l@lehigh.edu, George Baker <w5yr@att.net>,
Lew Paceley <lew@paceley.com>,
Subject: [128007] NETXQRP Club Meeting 15 June '02
Message-ID: <3.0.2.32.20020612074935.007f4a00@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRPers,

The next meeting of the NETXQRP Club will be held this coming Saturday.
Interested folks are invited to attend.

Presentation: George, W5YR, "Copying CW in the Noise"

Saturday
June 15, 2002
1:00 to 3:00 PM (or so)

John Y Miguel's Cafe (Tex/Mex & 'merican)
104 State Highway 205
Terrell, TX
Phone: (972) 524-1447

Directions:
Miguel's is on the west side of Terrell. It is on 205 North, near the intersection of I-80, 205, and 148. 205 goes North from I-80 toward Rockwall and 148 goes South back across I-20. Go North on 205 about 1/4 mile and it's on the right. Big place, hard to miss. It's just past a Kuick Kar lube-and-tune place and across the road is a Walmart plaza.

If you have a favorite QRP something you'd like to bring along, please do. Weather permitting we may try some portable operation either behind the restaurant or at a local park in Terrell. Bring an item for the "Door Prize" drawing and come join the fun!

KN5TX -- NETXQRP Club info check our website: <http://www.netxqrp.org/>

Email Alt: w5usj@arrl.net, w5usj@go.com

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, NETXQRP <http://www.netxqrp.org>

Date: Wed, 12 Jun 2002 09:42:45 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [128008] OT: RFI Resolved (almost)
Message-ID: <13.ccceb8d.2a38a9d5@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Several weeks ago I asked for input to resolving this loud constant hum that is deafening on BC bands and continues thru the ham bands with decreasing intensity the higher in frequency.

I did a bunch of leg work and working with the power company was able to finally isolate the problem.

We first went around checking all poles within 1/2 mile of house and did not find problem of loose or failing components.

Making a long story short, we noticed at my QTH the buzz was strongest at the power meter using AM radio. We verified the power meter with those remote reading modules was not the culprit. We then went to the neighbor's homes and checked the sounds at their power meters and one of them the AM radio was unbelievably loud. He replaced the power meter thinking its module could be bad and discovered in his panel the mounting for the meter was loose. Removing his meter eliminated the buzz and reinstalling a new meter it went deafening again. It appears that the culprit was both a bad meter mount AND loose / failing connections within the panel itself.

The fella is a renter so he is contacting the owner to have it repaired. Persistence not only paid off with resolving the RFI but also his panel would have eventually had a fire. Hopefully this can be of some use to you folks facing similar problems.

Alan KB7MBI in Woodinville, WA
FISTS 5702 Proud member of ARRL

Date: Wed, 12 Jun 2002 10:13:23 -0400
From: "brian" <brian@iquest.net>
To: "QRP-L" <qrp-l@lehigh.edu>, "pigs" <fpqrp-l@mpna.com>
Subject: [128009] New Section List
Message-ID: <004301c2121b\$546d4760\$3d05080a@BM17711>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Since Field day has expanded to include South America and the Caribbean...I'd like to find a section list that lists all the sections I might come in contact with during Field Day.

PDF, DOC, XLS - just about anything would be great.

Any freeware FD logging software out there for Winders?

73 de KB9BVN

Date: Wed, 12 Jun 2002 11:12:00 -0400
From: Hank Kohl K8DD <k8dd@arrl.net>
To: brian@iquest.net,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [128010] Re: New Section List
Message-ID: <5.1.0.14.2.20020612105206.029b05b0@mail.arenet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

With CT logging program enter DX, the country prefix, whatever they send or leave it blank. for the section.

With NA, it will fill in the DX prefix for you.
You can get a free demo of NA from http://www.datomonline.com/na_demo.htm
but it does not cover FD.

Don't know about TRLog, WriteLog or any of the Freeware/ Shareware programs.

Besides, you don't have to submit the list of sections, countries, etc with your FD entry.

73 Hank K8DD

At 6/12/02 10:13 AM -0400, brian wrote:

>Since Field day has expanded to include South America and the
>Caribbean...I'd like to find a section list that lists all the sections I
>might come in contact with during Field Day.
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>PDF, DOC, XLS - just about anything would be great.
>
>Any freeware FD logging software out there for Winders?
>

>73 de KB9BVN

*/ Hank Kohl K8DD k8dd@arrl.net
*/ ARRL TS http://www.qsl.net/k8dd
*/ MI-QRP - Vice Pres. QRP-ARCI - Director
*/

If God intended you to be on single sideband, he would have given you only one nostril.

- Steve, K2PTS

Date: Wed, 12 Jun 2002 11:32:40 -0700
From: "Dave Benson" <nn1g@earthlink.net>
To: <qrp-l@lehigh.edu>
Subject: [128011] Re: QRP At Hamfests
Message-ID: <003a01c2123f\$a521f1a0\$7e54d03f@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Brian and gang-

>>

-----Original Message-----

From: brian <brian@iquest.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Wednesday, June 12, 2002 5:41 AM
Subject: QRP At Indy Hamfest

Guys,

I have written the hamfest powers that be, a couple of times in the last week or so, regarding a QRP Forum. <snip>
<<

If you've written to them only recently, it's possible they haven't had a chance to respond yet. Not sure how you pitched it to them, but there are several things that will strengthen your position with hamfest organizers, especially if you're a 'new face'. (My apologies if I'm stating the obvious.)

They need to know that you propose to take charge and will drum up other folks- a clear point- of-contact. It is indeed valuable for them to hear

from prospective attendees and even better, from interested people willing to speak. The more interest they sense, the more likely it'll happen. [I spoke once to a crowd of four people- and there was straw on the floor. We didn't repeat the arrangement in subsequent years!] A proposed agenda strengthens the proposal, although you often don't get to that level of detail until they commit- something of a 'chicken-and-egg' issue

Having said that....

The northeastern corner of the QRP-map has been pretty quiet lately, but things are shaping up nicely this summer with 'LobsterCon' and now we have a new opportunity! The Boxboro (MA) convention organizers approached me at Dayton asking if 'someone' could organize a QRP Forum for that event. So..... we have a conference room dedicated for our use on Saturday, August 24th, from 1 to 3 PM.

No clue yet what we'll talk about. <g> I'd welcome any suggestions for topics or an agenda, and if you'd like to speak, that'd be great. "Show-and-tell" is a 'given', of course. :-) I'm looking forward to seeing the northeastern QRP gang (and travelling notables) at 'LobsterCon' in a few weeks, and looking for your support on a Boxboro forum. More information as it develops.

73- Dave

Dave Benson, K1SWL
dave@smallwonderlabs.com

Date: Wed, 12 Jun 2002 09:18:39 -0700

From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [128012] Re: New Section List
Message-ID: <20020612161839.GB4955@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

The trial version of TR Log DOES include Field Day. You can get it from <http://www.qth.com/tr/free.html>

TLF is free and does Field Day plus several DX contests. It is written for Linux, but there is a "Linux on a floppy" distribution which includes TLF available. This runs in RAM, but you can mount your widows partition (or a floppy) and copy the log and Cabrillo files, if desired (this takes a bit of Unix knowledge). See <http://debianham.sunsite.dk>

73, Bob N7XY

On Wed, Jun 12, 2002 at 11:12:00AM -0400, Hank Kohl K8DD wrote:
> With CT logging program enter DX, the country prefix, whatever they send or
> leave it blank. for the section.
>
> With NA, it will fill in the DX prefix for you.
> You can get a free demo of NA from http://www.datonline.com/na_demo.htm
> but it does not cover FD.
>
> Don't know about TRLog, WriteLog or any of the Freeware/ Shareware programs.
>
> Besides, you don't have to submit the list of sections, countries, etc with
> your FD entry.
>
> 73 Hank K8DD
>
>
> At 6/12/02 10:13 AM -0400, brian wrote:
> > Since Field day has expanded to include South America and the
> > Caribbean...I'd like to find a section list that lists all the sections I
> > might come in contact with during Field Day.
> >
> > PDF, DOC, XLS - just about anything would be great.
> >
> > Any freeware FD logging software out there for Winders?
> >
> > 73 de KB9BVN
>
> */ Hank Kohl K8DD k8dd@arrl.net

> */ ARRL TS <http://www.qsl.net/k8dd>
> */ MI-QRP - Vice Pres. QRP-ARCI - Director
> */
> If God intended you to be on single sideband, he would have given you only
> one nostril.
> - Steve, K2PTS

--
Bob Nielsen, N7XY n7xy@n7xy.net
Bainbridge Island, WA
IOTA NA-065, USI WA-028S

Date: Wed, 12 Jun 2002 10:12:08 -0700
From: Dan Maguire <bethdan@pacbell.net>
To: qrp-1@Lehigh.EDU
Subject: [128013] Moxon rectangle generator
Message-ID: <001501c21234\$49907b00\$ee9daa40@bethdan>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

For folks interested in modeling Moxon rectangles: L. B. Cebik, W4RNL, developed an algorithm for calculating the dimensions of a Moxon Rectangle antenna. Recently L. B. asked if I would write a small utility program incorporating his work. Free copy of MoxGen.exe available at www.qsl.net/ac6la/.

There are also updates available to the TLDetails and EZPlots programs.

73,
Dan AC6LA

Date: Wed, 12 Jun 2002 17:37:55 +0100
From: "Leon Heller" <leon_heller@hotmail.com>
To: "Low Power" <qrp-1@Lehigh.EDU>
Subject: [128014] LMX2305 adaptor PCB
Message-ID: <DAV42QYrVjYKtWfN3vS00012abe@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I can get some adaptor PCBs for the LMX2305 PLL made. The price will be \$10

each, including airmail postage. They will be chemically tinned and drilled, no solder mask or component ident. I'll only go ahead if I get enough orders for an initial batch of 20 or more. Please email me if you are interested.

I've uploaded a pic of my assembled prototype to my web site. You can see it here:

http://www.geocities.com/leon_heller/adaptors.html

One of the pads lifted, hence the little piece of wire-wrap wire. Of course, it had to be one of the important pins - the frequency input from the VCO!

I haven't tried it yet. I need to design a VCO to cover something like 50 MHz to 80 MHz first, then the loop filter, and hook them up to the PLL chip. I'll do my initial tests using the PC to program the PLL via the printer port.

The proper PCBs will have a minor mod. to make assembly easier - the pads for the wire link will be outside the chip area. I found that even using wire-wrap wire for the link, on the underside of the board, it was difficult to solder the leads because the chip was raised slightly from the board surface. I've updated the artwork file with the new layout.

If this exercise is successful, I can get similar PCBs made for other chips like the AD9835 DDS and the LMX2306 PLL.

73, Leon

--

Leon Heller, G1HSM leon_heller@hotmail.com

http://www.geocities.com/leon_heller

Low-cost Altera Flex design kit: <http://www.leonheller.com>

Date: Wed, 12 Jun 2002 12:29:37 -0500
From: "John Burnley" <JBurnley@ifmc.org>
To: <qrp-l@lehigh.edu>
Subject: [128015] QRP events at the Hamboree this weekend
Message-ID: <sd073ec7.036@iaaweb02.ifmc.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Hi gang. This information was forwarded to me by Jerry Huldeen WB0T who works very hard to put together the QRP related events at the Hamboree. Many thanks to Jerry for his efforts.

I'm very sorry to report that Ade Weiss W0RSP will not be able to attend and give his presentation. Ade has been a regular at the this event and he will be greatly missed!

Here is the line-up for the Hamboree being held this Friday and Saturday (June 14 - June 15) at the convention center/Marina Inn in South Sioux City, NE.

Info from Jerry:

Forums:

Friday 3:30 p.m. Joe Eisenberg will present a kit building seminar. Joe has previously presented building sessions at the Dayton hamfest.

Friday evening, we have arranged to have a place to get together and eat some pizza before the building event.
We'll meet at Chicago Style Pizza, formerly Valentino's (dutch treat).

Friday 8:00 p.m. Kit building session in the Marina, with Mike Fitzgibbon
NOMF and John Burnley NU0V. A limited number of PIXIE 2 kits will be available for purchase with some additional parts and accessories included for the cost of \$15.00. Kits will be assembled during the session
with mentoring from experienced builders (if needed). A 'fox hunt' will
immediately follow to test out the rigs.

Saturday 9:00 a.m. Brian Kassel K7RE will present on Portable Contest Operation. Brian is an avid contestor/QRP'er and is the creator of the popular
QRPDupe software logging program.

Saturday 11:00 a.m. Jim Duffey KK6MC/5 will present on "The Efficiency of
Small Antennas". Jim is a well known QRP'er who frequently speaks at qrp forums throughout the country. He is considered an antenna expert and has a knack at explaining very complex topics in terms that everyone can understand.

Saturday (following Jim Duffey's presentation) we will have a dutch treat

luncheon/meeting at El Ranchito.

Saturday 2:00 p.m. Mike Nickolaus NF0N will present on QRP Bicycle operation, with a demonstration of the Yaesu QRP 817 rig and bicycle mounting of this rig. Also members of BicycleMobile Hams of America will be present, as Mike is secretary of this group.

Saturday TBA. Kevin KC0AXK will give a short talk on HF Pack, a new group that hangs out on 17 meters, and works qrp pedestrian mobile. Kev will bring his K2, antenna and ground radial set up and show you how it works.

This weekend is going to be a lot of fun! I hope to see you there!

72, John NU0V

Date: Wed, 12 Jun 2002 13:59:05 -0400
From: Alex <kr1st@amsat.org>
To: bethdan@pacbell.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [128016] Re: Moxon rectangle generator
Message-ID: <3D078BE9.1252C803@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Thanks a bunch, Dan!

I've been using one on two meters for satellite work. I was just thinking of building one for 70cm and wondered how to scale it to that band.

I just downloaded and tried it. Excellent tool and very much appreciated!

73s,
--Alex

Dan Maguire wrote:

>

> For folks interested in modeling Moxon rectangles: L. B. Cebik, W4RNL,

> developed an algorithm for calculating the dimensions of a Moxon Rectangle
> antenna. Recently L. B. asked if I would write a small utility program
> incorporating his work. Free copy of MoxGen.exe available at
> www.qsl.net/ac6la/.
>
> There are also updates available to the TLDetails and EZPlots programs.
>
> 73,
> Dan AC6LA

Date: Wed, 12 Jun 2002 14:36:36 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [128017] confessions of a hacker
Message-ID: <5.1.0.14.1.20020612140558.00a69130@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Folks,

I needed an INEXPENSIVE device to tune an antenna. I have an old GC Electronics SWR meter from the age when dinosaurs with CBs ruled the Earth (ca. 1976). It works surprisingly well, even at 2 meters, but for low HF it takes a lot of watts to calibrate the meter in the Forward direction. My FT-817 can't quite do it on 160, 80, etc.

About ten years ago I bought a kit at Dayton that was a resistive bridge. I don't recall the manufacturer - perhaps it was Howes? - but it did a nice job on the low bands, and the fact that the transmitter never saw worse than 3:1 SWR helped a lot.

So when I saw the notes from George Heron's and Joe Everhart's Rainbow Antenna Analyzer II, I recognized it as "the right stuff." The resistive bridge is easy to build Manhattan style, there are no toroids to wind, I already have a transmitter to excite the bridge, and a simple voltmeter would do to measure the forward and reflected signal levels. Since everything is done with voltage ratios, high accuracy isn't necessary. "Simple," I thought.

Uh huh. I do electronic design for a living. I should know better.

Anyway, I couldn't get it to work. The "reflected" voltage always read close to the "forward" voltage, sometimes higher, sometimes lower, but never zero (which would indicate a match). At first I thought it was my diodes, since I had substituted Schottky 1 amp rectifiers for the 1N34As called for in George and Joe's design. I made a special trip to buy the

1N34As, and it still didn't work.

I finally tracked the problem down to a leaky 0.1 uF cap from the center of the "forward" voltage divider to the "reflected" diode. I had used one of the caps that's shaped like a 2-pin DIP IC, and is meant for use as a bypass cap. I'd had a problem before with one from the same batch that was shorted.

Lesson 1: Don't trust your components - especially if you got them cheap.

I replaced it with a metallized polyester cap of the same value, and the "reflected" voltage dropped down to where it should have been. Almost. There was still about 0.3 volts on the "reflected" port with a 51 ohm resistor for a load. I was about to write it off as a lack of understanding on my part when I noticed one of the controls on the function generator I was using to excite the bridge. "OFFSET" it said. Even though the knob was in the "Cal" position, a quick check of the output with a DC voltmeter showed about half a volt of offset. I took it off Cal and dialed up as close to zero volts as I could, and tried again. My bridge nulls very nicely now.

Lesson 2: Don't trust your test equipment.

And while we're at it, let me add my original assumption:

Lesson 3: Don't trust the operator.

Years ago I had a department VP who had been an engineer for some time. He taught me a significant rule of testing: whenever you measure something and get a bad reading, there are 3 possible things that could be wrong: the device under test, the test equipment, or the operator. When a wrong reading is obtained, it's the engineer's job to discover which one it is. Empirically, I'd say that all three have equal probabilities of being the culprit. In today's case, two were actually involved.

So for the other "melt solder" and "snort rosin" types out there - don't give up if it doesn't work. There's a reason - the fun is in finding it.

Dave

"You can fool some of the people all of the time. That's enough to make a living." - Lance Burton

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Wed, 12 Jun 2002 15:02:36 -0400
From: "Randall M. Payne" <payner1@strato.net>
To: qrp-1@Lehigh.EDU
Subject: [128018] Re: Moxon rectangle generator
Message-ID: <ICC8IDTSJD21ETIDMJGUSG71HFUT.3d079acc@x4r1i9>
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"

Thanks Dan and L.B. Neat antenna and your program will certainly do one for whatever frequency we want. I'm in the process of building a pair for satellite use with the info from L.B.'s article in QST plus updates from his great Web articles. Dan's program is dead on the money with L.B.'s figures.
73,
Randy K4EZM

Date: Wed, 12 Jun 2002 12:21:00 -0700
From: "johngabbard" <johngabbard@usintouch.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [128019] BLT
Message-ID: <009401c21246\$49ade8e0\$58861c0c@juanita>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anyone have an unbuilt BLT kit willing to sell before I order one? Thanks 72
John...KF70M

Date: Wed, 12 Jun 2002 14:22:51 -0500
From: "Pederson, Glenn" <gpeder@elnet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [128020] Re: LMX2305 adaptor PCB
Message-ID: <3D07593B.16334.F52D9FE@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 12 Jun 2002 at 17:37, Leon Heller wrote:

> I'll do my initial tests using the PC to program the PLL via the
> printer port.

Leon,

Can you expound upon how you are programming the PLL through the
printer port? What program are you using to do this? Are you
writing your own program? If so, how do you go about doing this?

Glenn Pederson, WB9QIQ
gpeder@elnet.com

Date: Wed, 12 Jun 2002 12:50:36 -0700
From: Steve Smith <sigcom@juno.com>
To: HEATH@LISTSERV.TEMPE.GOV
Cc: glowbugs@piobaire.mines.uidaho.edu, qrp-l@Lehigh.EDU
Subject: [128021] Heathkit IT-28 manual
Message-ID: <20020612.125036.-16097959.3.sigcom@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Wanted. Original or copy is fine by me. Anyone? TNX

73.....Steve 'The Scrounger' Smith
WB6TNL Oxnard, CA USA
"Snort Rosin"

Date: Wed, 12 Jun 2002 20:25:20 +0000
From: k8cz@att.net
To: fpqrp-l@mpna.com (The Pigs!), qrp-l@Lehigh.EDU (QRP-L),
njqrp@njqrp.org (NJQRP)
Subject: [128022] Ohio Covered Bridge event
Message-ID:
<20020612202523.GERF19182.mtiwmhc21.worldnet.att.net@webmail.worldnet.att.net>

While not strictly QRP, I beg your indulgence for this
one-time only announcement.

Amatuer radio clubs around Ohio will be operating from some of the remaining covered bridges in the state this Saturday. Look for special event calls beginning with W8?. All calls will be 1x1.

QSL via the local stations instructions.

For those working 6 separate counties a certificate is available from Gail Wells, 708 Delaware Ave., SW, Warren, OH 44485. SASE or green stamp to defer costs. An excerpt of your log is required.

Thanks for the bandwidth.

--

73,72, 00
FP #41 NJQRP #338 Fists #2360
ARCI #9606 SOC #336 Norcal ARRL
Hamilton, Ohio EM79ri
Tom, K8CZ

Date: Wed, 12 Jun 2002 14:19:17 -0700
From: "johngabbard" <johngabbard@usintouch.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [128023] BLT...MOD
Message-ID: <00ef01c21256\$d0765aa0\$58861c0c@juanita>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Has anybody modified the BLT to tune on 80 mtrs... adding a rotary switch...additional capacitance switched in,etc...Much obliged...72 john
KF70M

Date: Wed, 12 Jun 2002 14:25:31 -0700
From: emtech@steadynet.com
To: qrp-l@lehigh.edu
Subject: [128024] Newark sale LeadAcid Battery
Message-ID: <3D0759DB.19850.965469@localhost>
MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

I am not sure if this is a good price or but they are having a sale on a couple of batteries:

7 ah 12volt
<http://www.newark.com/pfind/Description.jsp?sku=87F637>

Sale eflyer:

<http://www.newark.com/eflyer/june/index.html>

~Scott

Date: Wed, 12 Jun 2002 14:33:01 -0700
From: Steve Smith <sigcom@juno.com>
To: HEATH@LISTSERV.TEMPE.GOV
Cc: qrp-1@Lehigh.EDU, glowbugs@piobaire.mines.uidaho.edu
Subject: [128025] Re: Heathkit IT-28 manual
Message-ID: <20020612.143302.-16097959.7.sigcom@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Group(s),

(egg on face) It's on BAMA. I know I'm not stoned so it must be senility setting in. I could swear I checked BAMA before putting out the request. Thanks everybody.

73.....Steve 'The Scrounger' Smith
WB6TNL Oxnard, CA USA
"Snort Rosin"

----- Forwarded message -----
From: Steve Smith <sigcom@juno.com>
To: HEATH@LISTSERV.TEMPE.GOV
Cc: glowbugs@piobaire.mines.uidaho.edu, qrp-1@Lehigh.EDU
Date: Wed, 12 Jun 2002 12:50:36 -0700
Subject: GB> Heathkit IT-28 manual

Wanted. Original or copy is fine by me. Anyone? TNX

73.....Steve 'The Scrounger' Smith
WB6TNL Oxnard, CA USA
"Snort Rosin"

Date: Wed, 12 Jun 2002 17:40:29 -0400
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [128026] Miniature 'PC' platform suggestions...thanks and whaddaya think about this?
Message-ID: <F28RJsXswS50qZf1Brd00023b20@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Gang,

Many thanks to all who made suggestions, both on-list and off...

While I still have some research to do, I ran across the following while surfing the web over the past couple of days:

TIQIT eightythree handheld pc:

<http://www.tiqit.com/eightythree.html>

Quatech IOP-241 24-line PCMCIA digital I/O card:

<http://www.dpie.com/pcmcia/iop241.html>

If this stuff is for real... not vaporware (AND if a second mortgage is not required to finance their purchase) these might constitute one possible answer to my quest for an itty-bitty PC and interface for extant and future QRP project fun!

Look out, I'm gettin' excited again <:)

Thoughts/observations ?

73.
Bill, N4QA

Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

Date: Wed, 12 Jun 2002 18:02:05 -0400
From: "Mark J. Dulcey" <mark@buttery.org>
To: n4qa@hotmail.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [128027] Re: Miniature 'PC' platform suggestions...thanks and whaddaya think about this?
Message-ID: <3D07C4DD.6090208@buttery.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Bill, N4QA wrote:

> Gang,
>
> Many thanks to all who made suggestions, both on-list and off...
>
> While I still have some research to do, I ran across the following while
> surfing the web over the past couple of days:
>
> TIQIT eightythree handheld pc:
>
> <http://www.tiqit.com/eightythree.html>

The site says "fourth quarter 2002". In other words, it's vapor for now, and maybe forever; given that the company has no track record, I'll believe it when I see it.

It looks like they got caught in the middle of an industry fight. Their original design was built around an ZFx86 (<http://www.zfmicro.com>) embedded system X86 processor. The foundry that was going to produce those (National Semiconductor, which is also the producer of the Geode embedded processor) cancelled the contract, so the chip makers had to cancel the product. (Doesn't seem like a coincidence, somehow.) So the Tiquit people had to redesign around a Geode instead.

Aside from that, if you can live with computer with a 640x480 screen and the computing power of a P233 or so, it looks like it has potential. Who knows what the price will be, though. The FAQ says it will be "in the laptop range"; that could be anywhere from \$750 to \$3000, depending on their idea of that range.

> Quatech IOP-241 24-line PCMCIA digital I/O card:
>

> <http://www.dpie.com/pcmcia/iop241.html>

This one appears to be real. No prices online, though; that tends to translate to "if you have to ask, you can't afford it". But I could be wrong.

Curious question: what do you need all that I/O for?

Date: Wed, 12 Jun 2002 18:38:17 -0400
From: Pete Burbank <plburbank@kih.net>
To: qrp-l@lehigh.edu
Subject: [128028] Neophyte question
Message-ID: <5.0.2.1.0.20020612183448.00a7d0a0@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Is there a URL with a good schematic of the improved Neophyte Receiver?
73 Pete NV4V

Date: Wed, 12 Jun 2002 16:13:15 -0600
From: Ron KU7Y <mswmod@bigplanet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [128029] OT: Palm Pilot Professional question
Message-ID: <005b01c21262\$500205c0\$cc01d2d1@oemcomputer>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7bit

Hi All,

I seem to remember some chat about the above awhile back but can't remember just what all was covered.

So please let me use some BW to ask some questions.

Are there any good Ham Radio/QRP applications to be had for this model?

I have one that was given to me that doesn't work. I have tried all the resets. When I put the batteries in the back light comes on but that's all. Is there any way to use a "regular" computer via RS232 ports to try anything? Like maybe reloading the OS or whatever? Or is this just something good to keep for parts?

The going price seems to be all over the wall..... from a bit over \$20 to up around \$100. Anyone care to offer a guess as to what they are really worth? :-)

Anyone want to buy my Poquete or however it's spelled?

Thanks for the BW and I'll get back in my hole now.....

Ron, KU7Y
ku7y@qsl.net
Full Time RVing somewhere in the West.
Currently back in Boise, ID.

End of QRP-L Digest 2584

